

SEQUENCE LISTING

HL-γ amino acid sequence (SEQ ID NO:1)

5 M S G G G N I K V V V R V R P F N A R E I
D R G A K C I V R M E G N Q T I L T P P P
G A E E K A R K S G K T I M D G P K A F A
F D R S Y W S F D K N A P N Y A R Q E D L
F Q D L G V P L L D N A F K G Y N N C I F
10 A Y G Q T G S G K S Y S M M G Y G K E H G
V I P R I C Q D M F R R I N E L Q K D K N
L T C T V E V S Y L E I Y N E R V R D L L
N P S T K G N L K V R E H P S T G P Y V E
D L A K L V V R S F Q E I E N L M D E G N
15 K A R T V A A T N M N E T S S R S H A V F
T L T L T Q K W H D E E T K M D T E K V A
K I S L V D L A G S E R A T S T G A T G A
R L K E G A E I N R S L S T L G R V I A A
L A D M S S G K Q K K N Q L V P Y R D S V
20 L T W L L K D S L G G N S M T A M I A A I
S P A D I N F E E T L S T L R Y A D S A K
R I K N H A V V N E D P N A R M I R E L K
E E L A Q L R S K L Q S S G G G G G G A G
G S G G P V E E S Y F P D T P L E K Q I V
25 S I Q Q P D A T V K K M S K A E I V E Q L
N Q S E K L Y R D L N Q T W E E K L A K T
E E I H K E R E A A L E E L G I S I E K G
F V G P Y H S K E M P H L V N L S D D P L
L A E C L V Y N I K P G Q T R V G N V N Q
30 D T Q A E I R L N G S K I L K E H C T F E
N V D N V V T I V P N E K A A V M V N G V
R I D K P T R L R S G Y R I I L G D F H I
F R F N H P E E A R A E R Q E Q S L L R H
S V T N S Q L G S P A P G R H D R T L S K
35 A G S D A D G D S R S D S P L P H F R G K
D S D W F Y A R R E A A S A I L G L D Q K
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5 K T \ A K Q E F

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GACAACGAAGATAGCGATTTCGAGAGTTTCGTTTCCGGTCCGTGACAAATA
15 CATGTCCAATGGAACCATTGATAATTTCTCGCTCGATACCGCCATTACTA
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TC

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